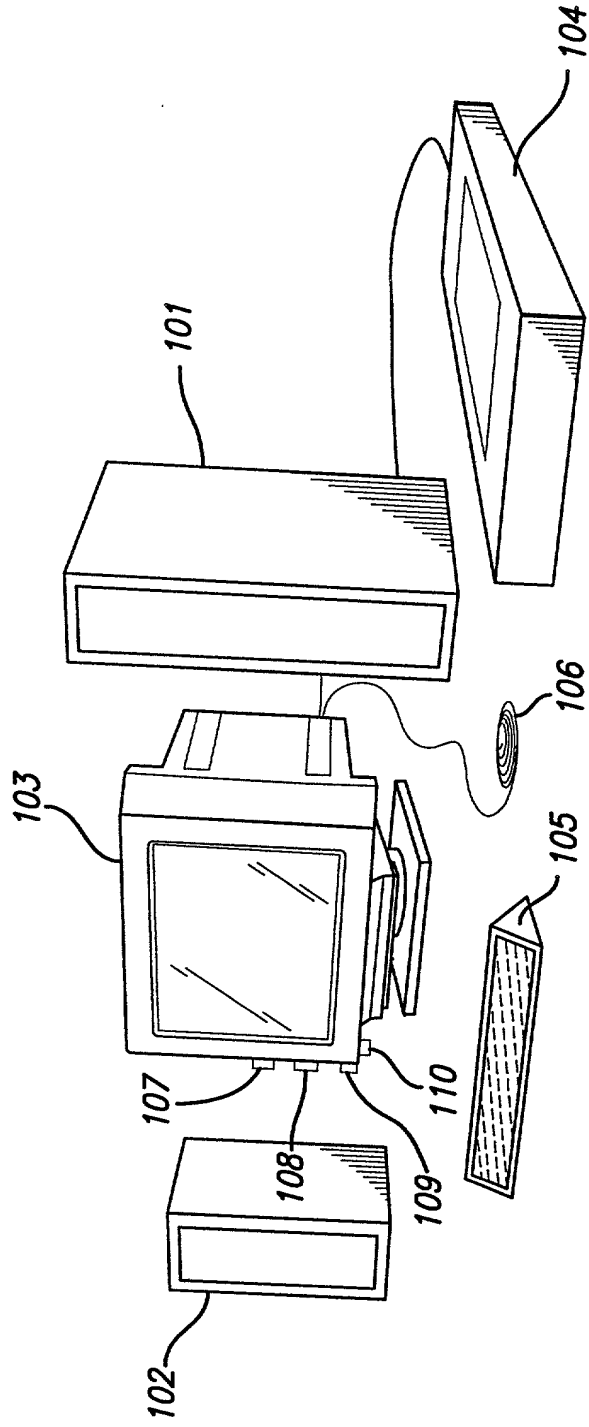


FIG. 1



107 108 109 110 111

5#

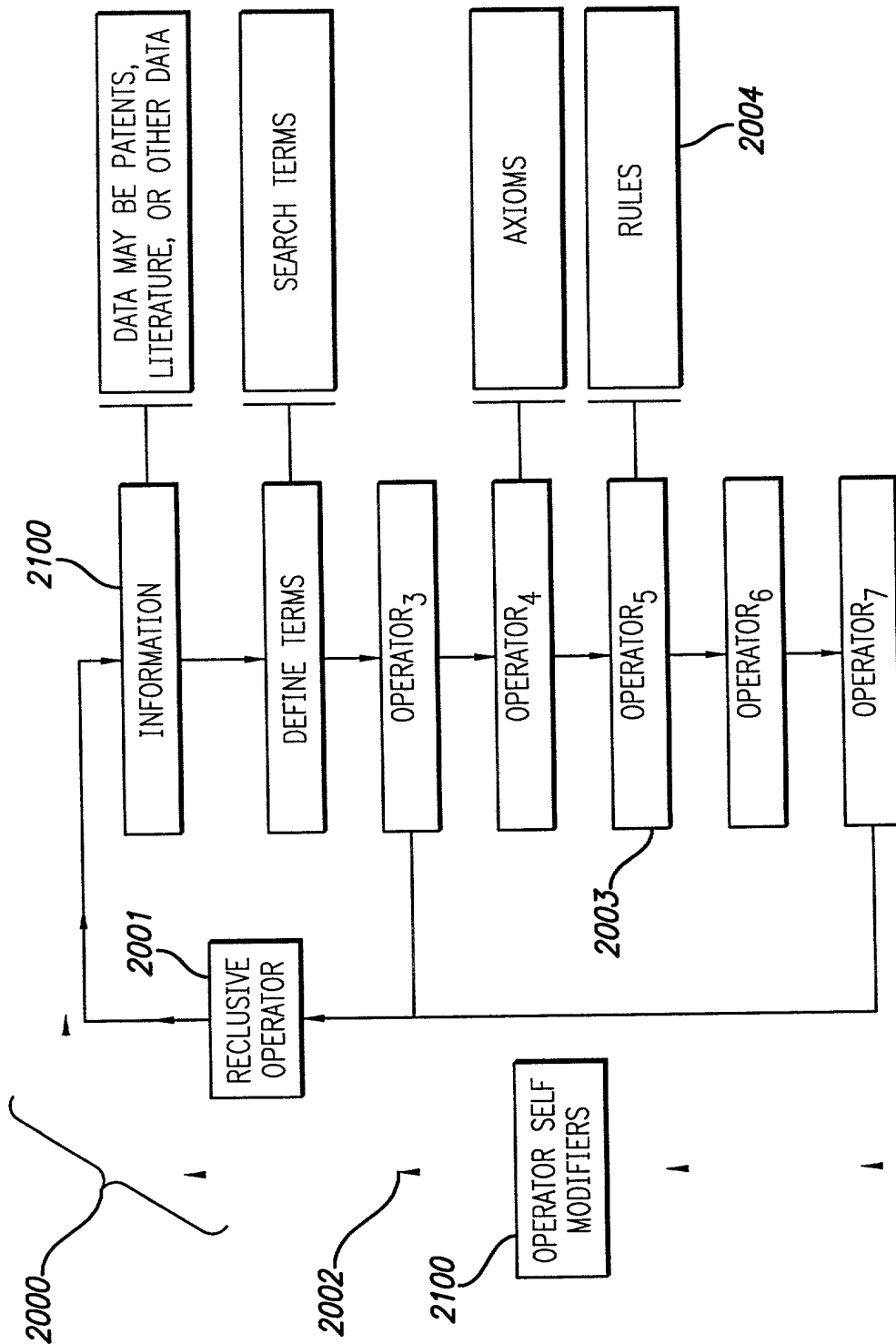
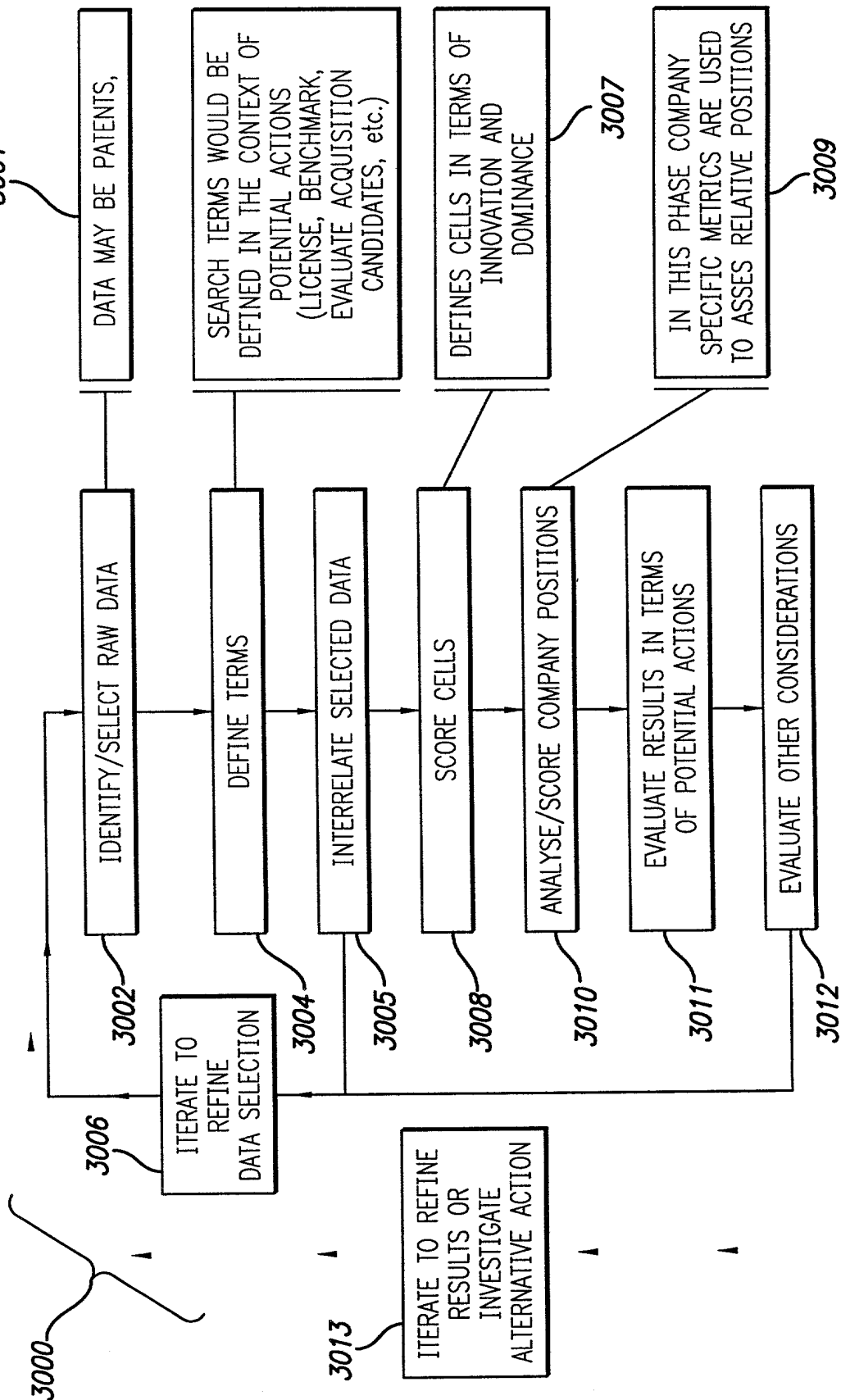


FIG. 2

FIG. 3



AN EXAMPLE OF SOURCE DATA  
INFRARED TECHNOLOGY

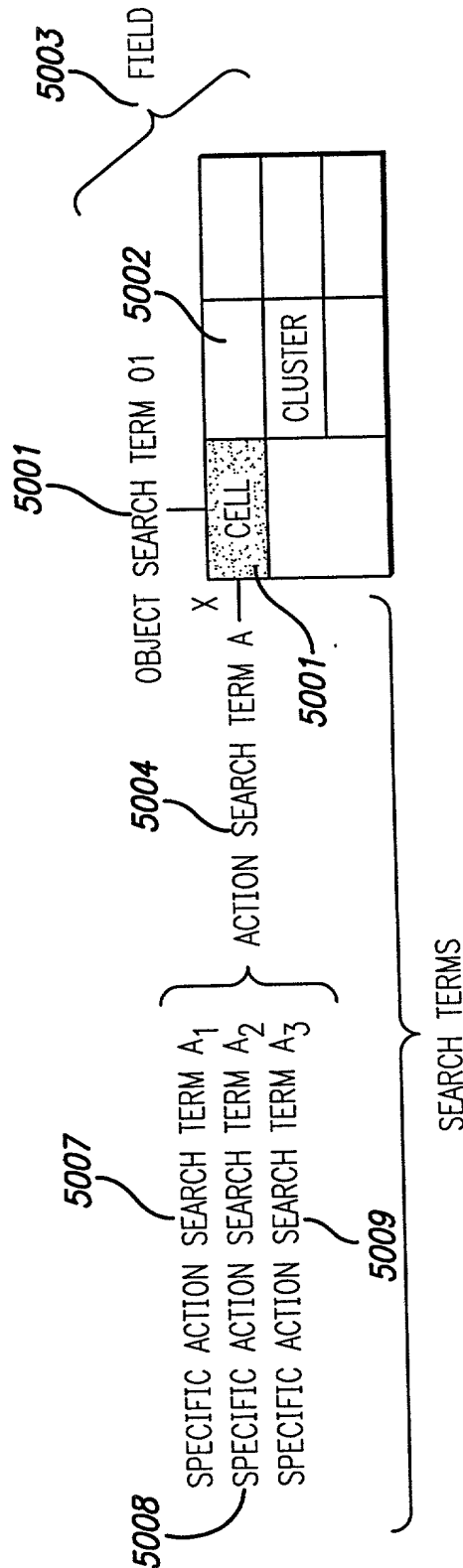
FIG. 4

OBJECTS 4001						ACTIONS	
4002	4007	4008	4003	4006	4005	4015	4014
	A NEAR INFRARED 1681					4015	4014
	B FAR INFRARED 550					4015	4014
	C INFRARED					4015	4014
		4064	4065	4072	4072	4071	21604
		12	0	87	62	4071	21604
		4004	4072	4059	4009	4071	21604
		9	0	5004	4009	4071	21604
				4059	4009	4071	21604
				DIGITAL IMAGE	4009	4071	21604
				5004	4009	4071	21604
				4059	4009	4071	21604
				DIGITAL SCAN	4010	4071	21604
				775	4010	4071	21604
				4060	4010	4071	21604
				1224	4011	4071	21604
				REMOTE NETWORK OR	4011	4071	21604
				WIRELESS NETWORK	4011	4071	21604
				1672	4012	4071	21604
				THERMAL IMAGE	4012	4071	21604
				5278	4013	4071	21604
				OPTIC ALIGN	4013	4071	21604
				22	06	4081	21604

# INITIAL DEFINITIONS

FIG. 5

SEARCH TERM-A STRING OF TEXT TO BE FOUND WITHIN THE TEXT OR CLAIMS OF DESIRED PATENTS.  
 SEARCH TERMS CAN BE CLASSIFIED AS EITHER "ACTION" OR "OBJECT."  
 SEVERAL RELATED ACTION SEARCH TERMS MAY BE COMBINED TO REFLECT A SINGLE ACTION.  
 CELL-A CROSS SECTION OF SEARCH TERMS (ACTION X OBJECT).  
 CELLS ARE GIVEN A REFERENCE CODE (e.g. A01) TO DEPICT THE COMBINATION OF SOURCE SEARCH TERMS.  
 THE REFERENCE CODE MAY BE FOLLOWED BY A C OR T TO NOTE THAT THE SEARCH TERMS WERE FOUND WITHIN THE TEXT OR CLAIMS OF THE INCLUDED PATENTS.  
 CLUSTER-A GROUP OF NATURALLY RELATED CELLS.  
 FIELD-A PATENT LANDSCAPE DEFINED BY THE COMPOSITE OF ALL CELLS.



THE POWER TO BE BOTH FOCUSED AND INCLUSIVE

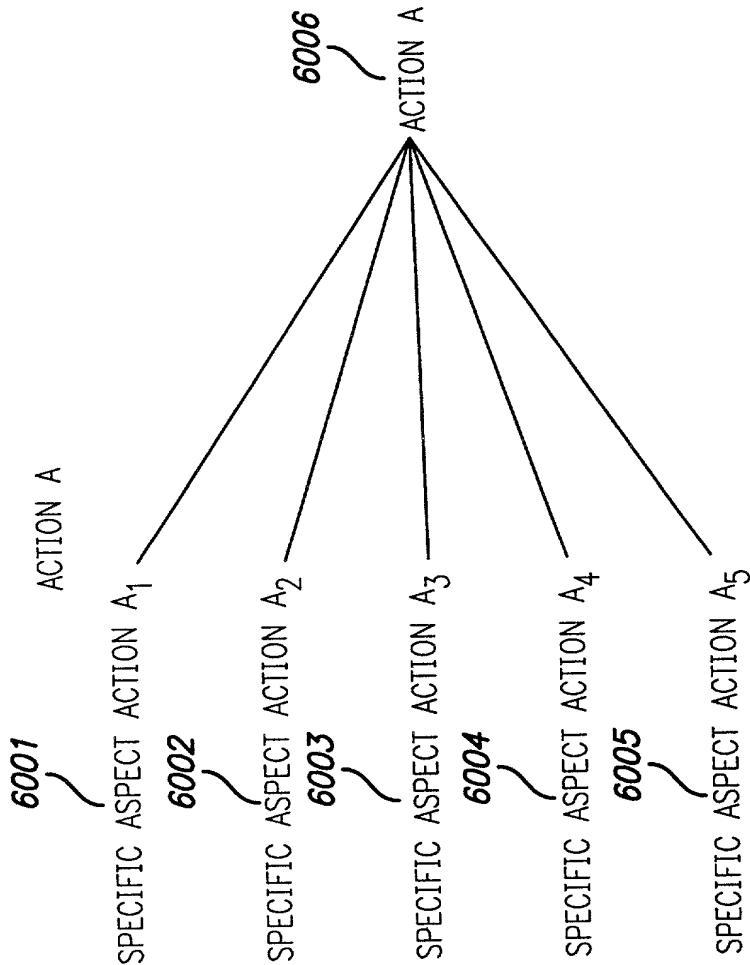


FIG. 6

\*PATENTS IDENTIFIED IN ANY OF THESE SPECIFIC TERMS ARE ROLLED INTO ONE ACTION DATA SET.

PATENT CROSS TAB REPORT

ASSIGNEE	DOCUMENT D	TITLE	ISSUED	DOCUMENT TYPE	HITS	WEIGHTED HITS	WEIGHTED ACTION	C01	C02	C03	C04	C05	C06
OBJECT WEIGHTS													
								1	1	2	1	1	3
	7011												
HE HOLDINGS	6025595	SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	2/15/00	US	3	4	2		1	1		1	
		SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM											
RAYTHEON	WO 98/35496	SPRITE THERMAL IMAGING SYSTEM WITH ELECTRONIC ZOOM	8/13/98	PCT	3	4	3		1	1		1	
		SPRITE THERMAL IMAGING SYSTEM											
RAYTHEON	WO 98/35497	SPRITE THERMAL IMAGING SYSTEM	8/13/98	PCT	3	4	4		1	1		1	
		SPRITE THERMAL IMAGING SYSTEM											
HE HOLDINGS	5739531	SPRITE THERMAL IMAGING SYSTEM	4/14/98	US	3	4	3		1	1		1	
UNITED STATES OF AMERICA	4470816	THERMAL SIGHT TRAINER	9/11/84	US	3	5	3		1			1	1
		METHOD AND APPARATUS FOR THERMAL RADIATION IMAGING											
LIU, ZHONG QI	6023637		2/8/00	US	2	4	3		1	1			

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[illegible]



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VACHTSEVANOS, GEORGE J.	5815198	METHOD AND APPARATUS FOR ANALYZING AN IMAGE TO DETECT AND IDENTIFY DEFECTS	9/29/98	US	2	4	1	1	1				
UNITED STATES OF AMERICA	5756990	SIMPLIFIED SIMULATION OF EFFECTS OF TURBULENCE ON DIGITAL IMAGERY	5/26/98	US	2	1	4	1				1	
HUGHES ELECTRONICS	5737119	THERMAL IMAGING DEVICE	4/7/98	US	2	4	2				1	1	
HUGHES ELECTRONICS	5673143	THERMAL IMAGING DEVICE WITH SELECTIVELY REPLACEABLE TELESCOPIC LENSES AND AUTOMATIC LENS IDENTIFICATION	9/30/97	US	2	4	2				1	1	
EASTMAN KODAK	5668596	DIGITAL IMAGING DEVICE OPTIMIZED FOR COLOR PERFORMANCE	9/16/97	US	2	3	2	1	1				
HE HOLDINGS DBA HUGHES ELECTRONICS	EP 0 762 173 A2	THERMAL IMAGING DEVICE	3/12/97	EP-A	2	4	1				1	1	

FIG. 7-3

FIG. 8A-1

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ASSIGNEE ROLLUP

8001

8021

8022

8023

8024

8025

8026

RANK	ASSIGNEE	HITS	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTION	RC C01 01	RC C02 02	RC C03 03	RC C04 04	RC C05 05	RC C06 06
	8002 PATENTS							62	87	20	34	263	249
	8003 ISSUED PATENTS							49	65	17	23	206	222
	8004 APPLIED PATENTS							13	22	3	11	57	27
	8005 RECENT PATENTS							16	33	10	11	55	40
	8006 ISSUED RECENT PATENTS							14	22	7	7	44	34
	8007 APPLIED RECENT PATENTS							2	11	3	4	11	6
	8008 DOMINANCE							0.48	0.26	0.20	0.44	0.48	0.40
	8009 RECENT DOMINANCE							0.44	0.18	0.20	0.18	0.27	0.28
	8010 ISSUED INNOVATION FACTOR 4							0.33	0.62	0.69	1.29	0.10	0.17
	8011 APPLIED INNOVATION FACTOR 4							0.64	0.87	0.33	0.50	-0.02	0.19

8020

FIG. 8A-2

Figure 8 is a perspective view of a portion of the device 800. It shows a curved surface with several labeled components: 8021, 8022, 8023, 8024, 8025, and 8026.

HITS	PATENTS	RECENT HITS	RECENT PATENTS	WEIGHTED HITS	WEIGHTED ACTIONS
43	42	4	4	48	5
34	31	3	2	39	7
20	20	3	3	26	4
18	18	4	4	22	9
17	17	2	2	21	11
16	16	2	2	22	4
16	13	3	2	14	12
15	11	12	8	18	5
14	13	1	1	16	9
12	12			14	15
12	12	5	5	15	2
12	12	5	5	12	8
12	12	1	1	15	1
10	10			11	3
10	10	3	1	14	5

Parameter	Unit	Value	Standard Error	t-Statistic	p-Value
Intercept		1.0000	0.0000	1.0000	0.0000
Age	Years	0.0000	0.0000	0.0000	0.0000
Gender		0.0000	0.0000	0.0000	0.0000
Marital Status		0.0000	0.0000	0.0000	0.0000
Education	Years	0.0000	0.0000	0.0000	0.0000
Income	\$/Year	0.0000	0.0000	0.0000	0.0000
Health		0.0000	0.0000	0.0000	0.0000
Smoking		0.0000	0.0000	0.0000	0.0000
Alcohol		0.0000	0.0000	0.0000	0.0000
Exercise		0.0000	0.0000	0.0000	0.0000
Stress		0.0000	0.0000	0.0000	0.0000
Family Size		0.0000	0.0000	0.0000	0.0000
Work Hours	Hours/Week	0.0000	0.0000	0.0000	0.0000
Job Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Overall Health		0.0000	0.0000	0.0000	0.0000
Depression		0.0000	0.0000	0.0000	0.0000
Loneliness		0.0000	0.0000	0.0000	0.0000
Quality of Life		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	0.0000
Life Expectancy	Years	0.0000	0.0000	0.0000	0.0000
Healthcare Costs	\$/Year	0.0000	0.0000	0.0000	0.0000
Life Satisfaction		0.0000	0.0000	0.0000	

CELL INDICES - DEFINITIONS  
INNOVATION FACTOR 1 (APPLIED OR ISSUED)

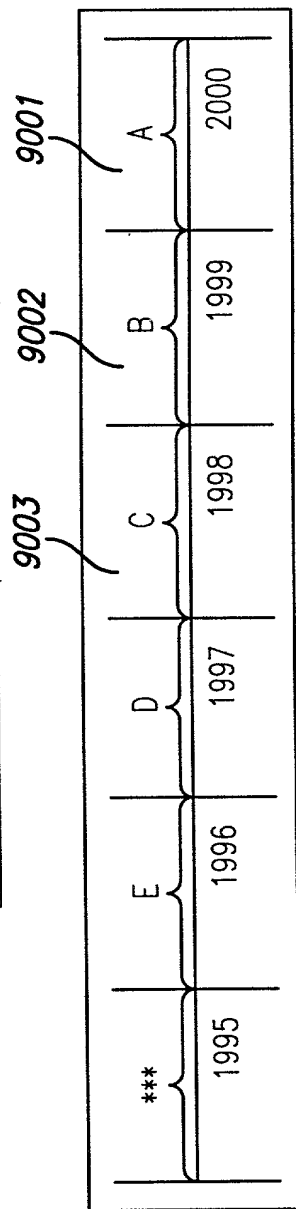
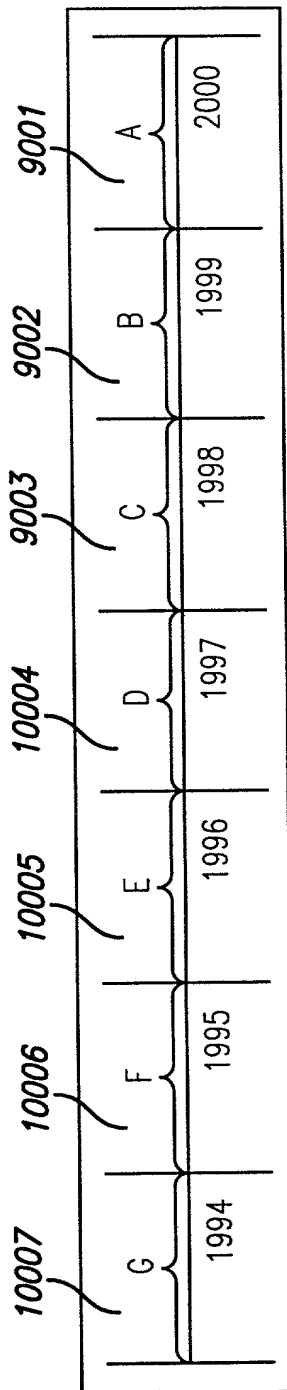


FIG. 9

$$\text{INNOVATION FACTOR } 9000 = \frac{\text{INNOVATION FACTOR } 9001}{(\text{INNOVATION FACTOR } 9002 + \text{INNOVATION FACTOR } 9003)/2}$$

CELL INDICES - DEFINITIONS  
INNOVATION FACTOR 4 (APPLIED OR ISSUED)



INNOVATION FACTOR 4 =

$$\text{INNOVATION FACTOR } 10012 = \left[ \frac{(A-B)}{B} \times 6 \right] + \left[ \frac{(B-C)}{C} \times 5 \right] + \left[ \frac{(C-D)}{D} \times 4 \right] + \left[ \frac{(D-E)}{E} \times 3 \right] + \left[ \frac{(E-F)}{F} \times 2 \right] + \left[ \frac{(F-G)}{G} \times 1 \right]$$

FIG. 10

CELL SELECTION MATRIX

CELL SELECTION INDEX IS CALCULATED FOR EACH CELL BASED ON THE IMPLIED  
SUITABILITY FOR JOINT VENTURES OR INTERNAL DEVELOPMENT:

FIG. 11

	01 PHOTORECEPTOR OR PHOTO-RECEPTOR	02 DIGITAL IMAGE	03 DIGITAL SCAN	04 REMOTE NETWORK OR WIRELESS NETWORK	05 THERMAL IMAGE	06 OPTIC ALIGN
11001	A LICENSE	4	4	1.25	6	0
	B LICENSE				0	14
	C LICENSE	20	15	5	1.75	3.5
11002	A DEVELOP	16	6	1.25	14	0
	B DEVELOP				0	6
	C DEVELOP	5	15	7.5	0.75	1.5

FIG. 12

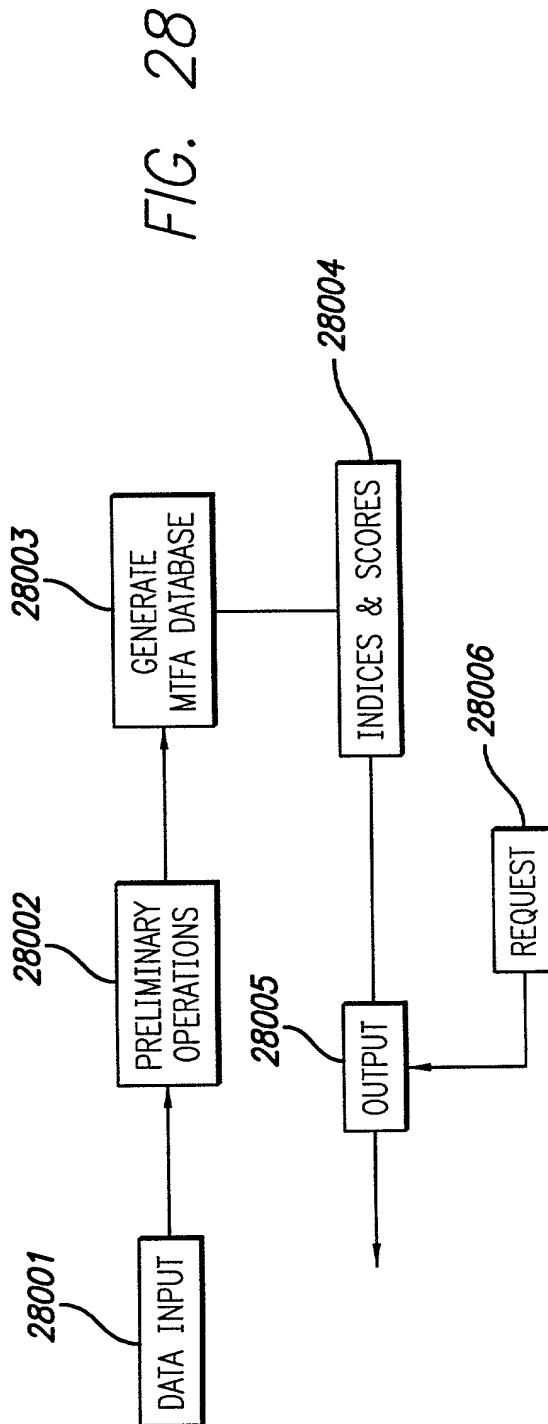
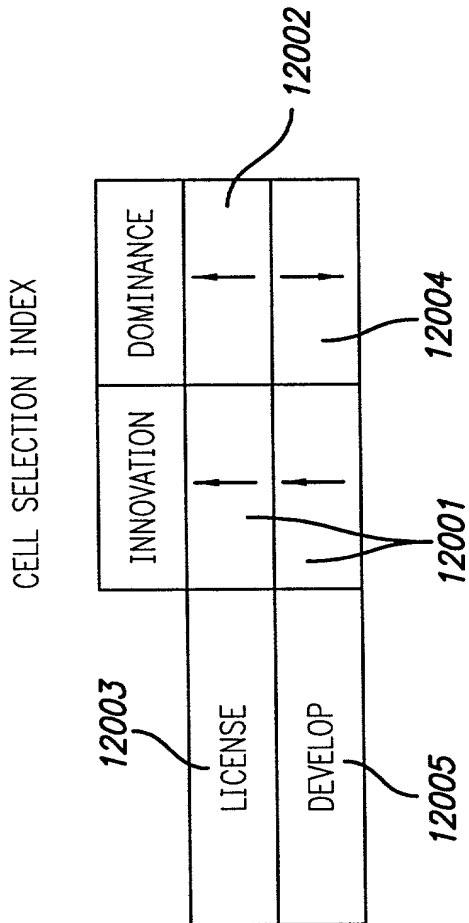
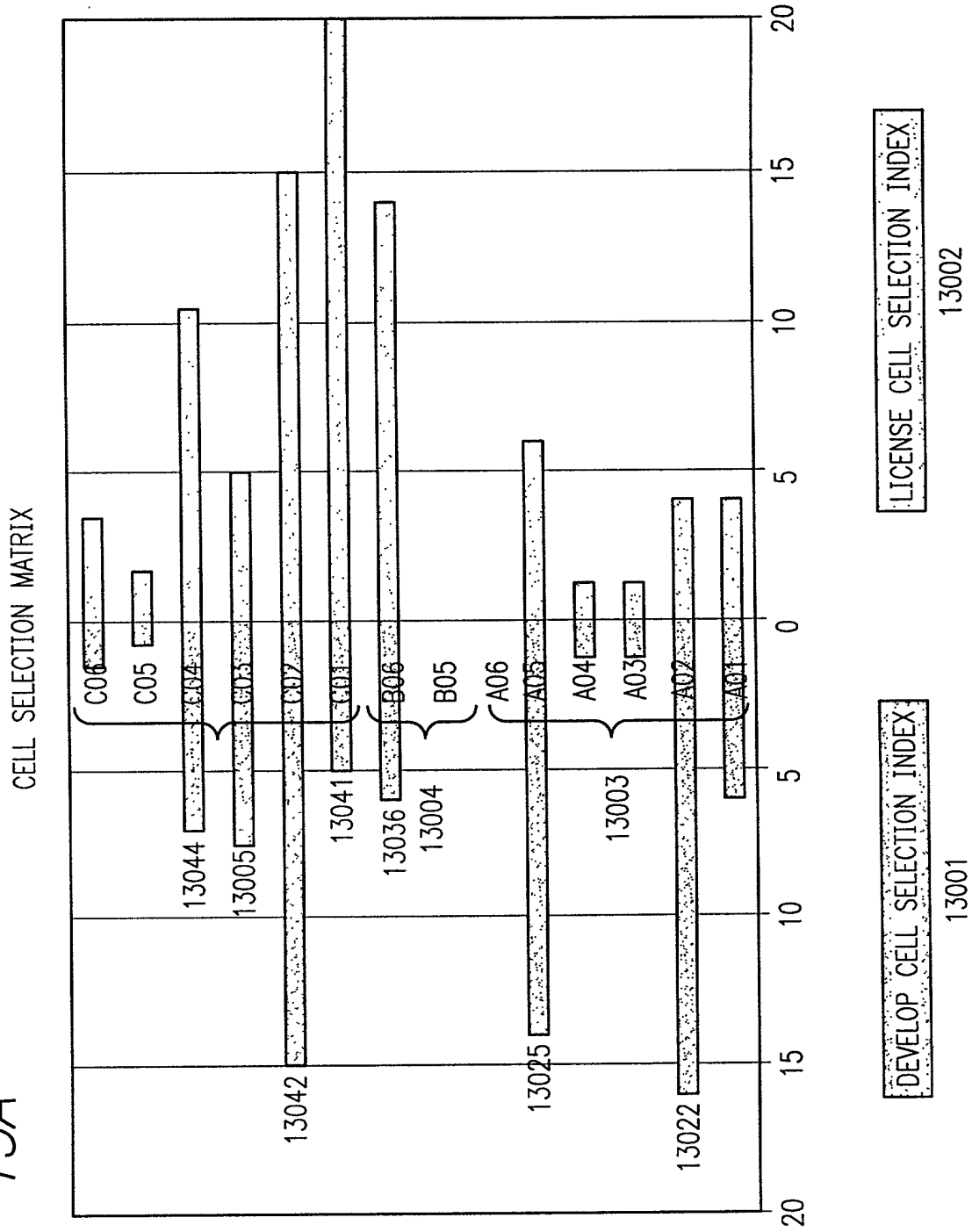
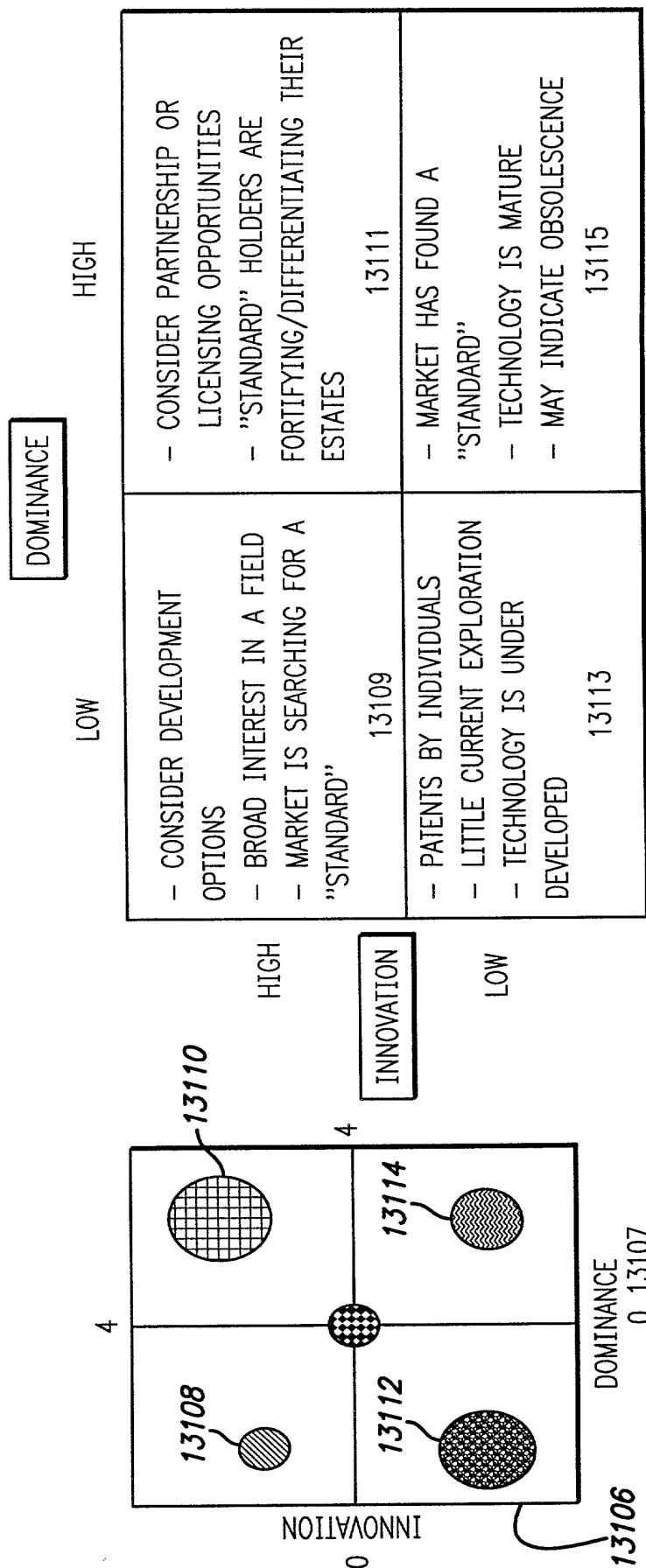


FIG. 13A





CELL SELECTION SCORE - BUBBLE CHART



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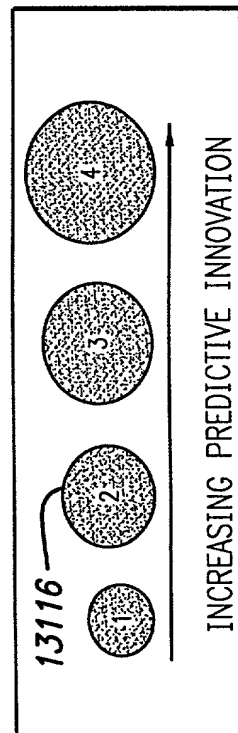


FIG. 13B



FIG. 15A

ASSIGNEE COMPOSITE SCORE

RANK	ASSIGNEE	14003	14004	14005	14006	14007	14008
		PHOTO-RECEPTOR OR	DIGITAL IMAGE	DIGITAL SCAN	REMOTE NETWORK OR	THERMAL IMAGE	OPTIC ALIGN
1	A	15.4	25.6	8.5	0.0	100.0	31.0
2	B	0.0	30.8	0.0	0.0	44.7	100.0
3	C	0.0	16.7	0.0	21.4	47.5	8.7
4	D	100.0	0.0	16.7	0.0	0.0	0.0
5	E	10.0	16.7	0.0	0.0	44.5	0.0
6	F	0.0	8.3	0.0	100.0	0.0	13.0
7	G	0.0	10.3	0.0	0.0	45.4	33.2
8	H	0.0	81.8	47.7	0.0	51.0	24.9
9	I	0.0	0.0	0.0	0.0	9.6	55.8
10	J	0.0	0.0	0.0	0.0	5.9	43.4
11	K	0.0	0.0	0.0	0.0	0.0	73.8
12	L	65.0	0.0	0.0	0.0	11.9	0.0
13	M	0.0	25.0	0.0	0.0	23.7	8.7
14	N	0.0	0.0	0.0	0.0	3.0	39.1
15	O	0.0	0.0	0.0	7.1	35.6	0.0

14002

14001

15010

FIG. 15B

ASSIGNEE COMPOSITE SCORE

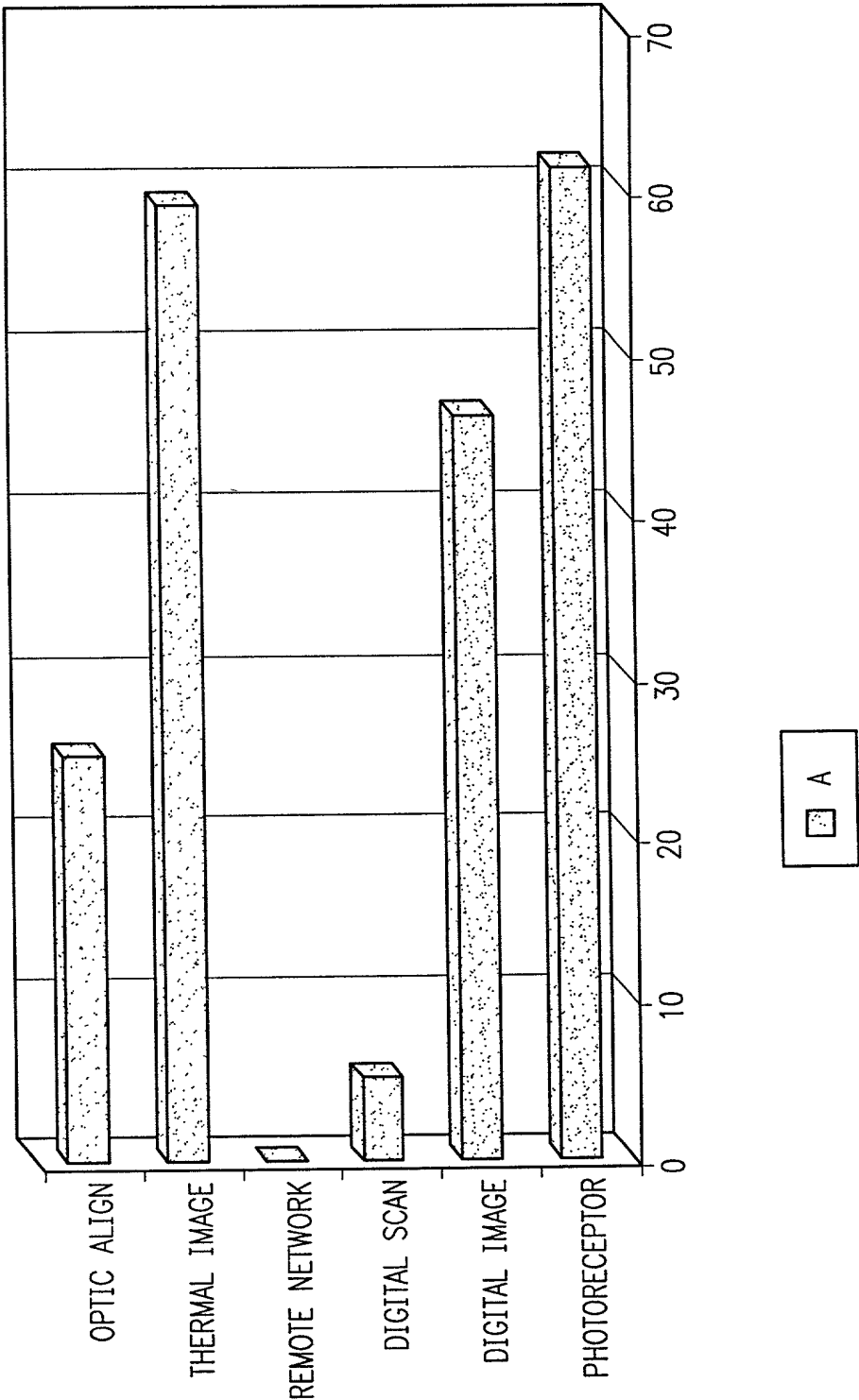
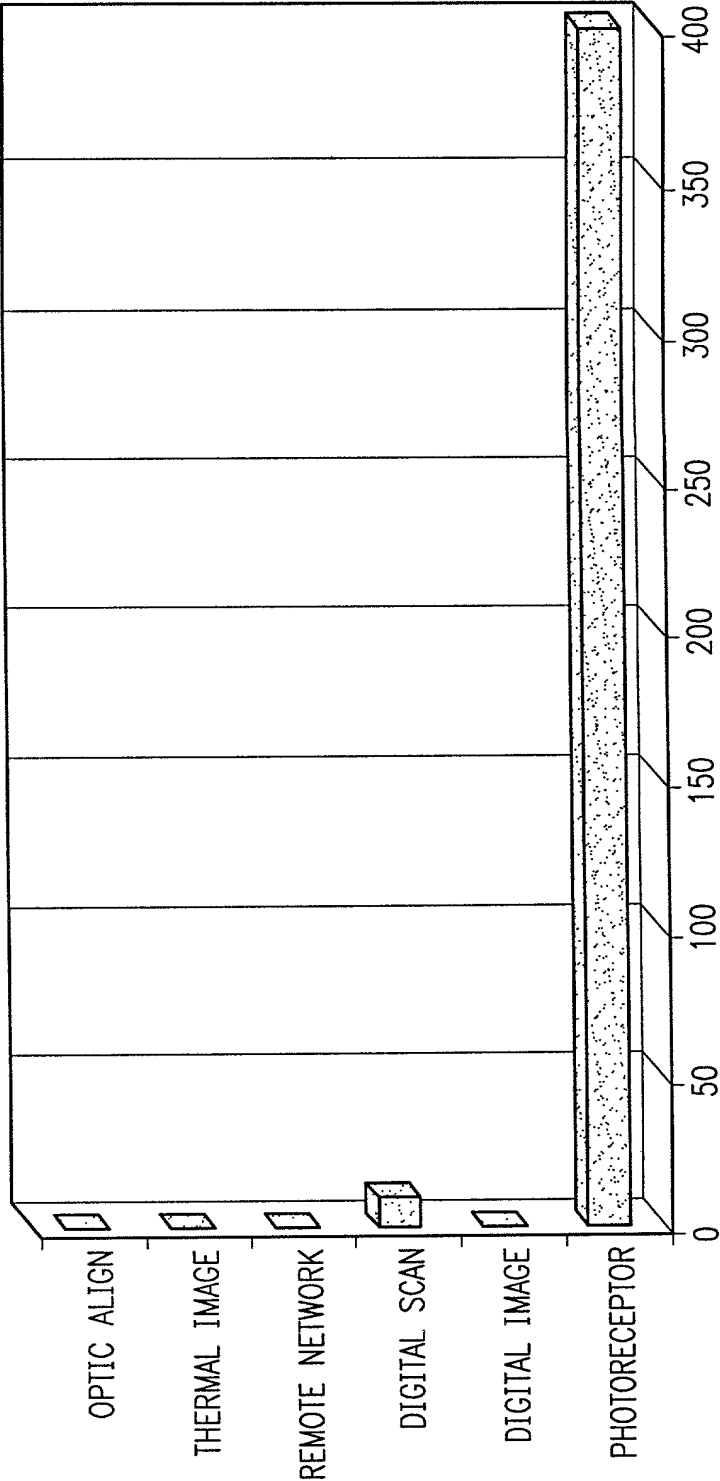


FIG. 15C

ASSIGNEE COMPOSITE SCORE

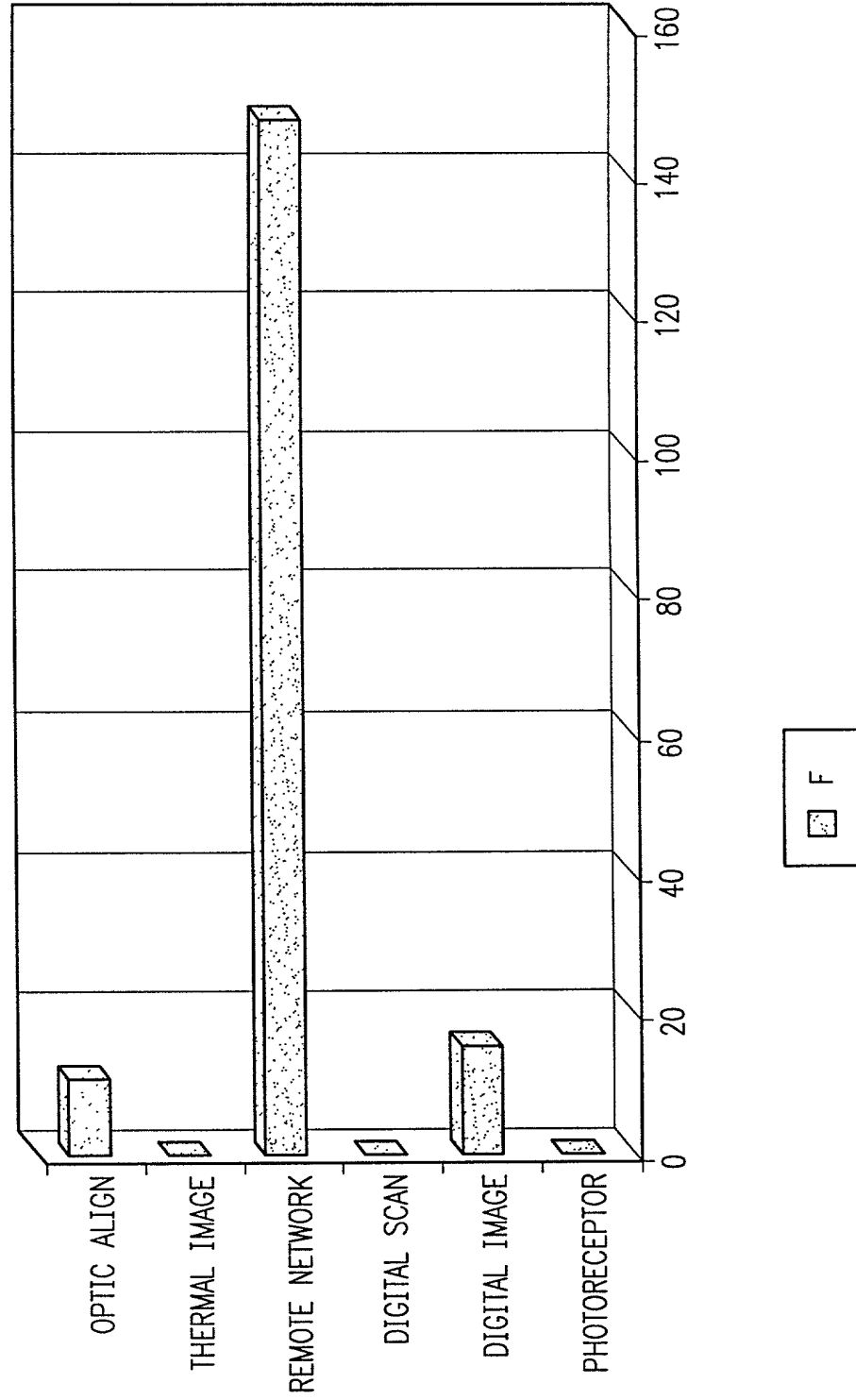


D

TOP SECRET

FIG. 15D

ASSIGNEE COMPOSITE SCORE



TOP SECRET 85465260

FIG. 15E

ASSIGNEE COMPOSITE SCORE

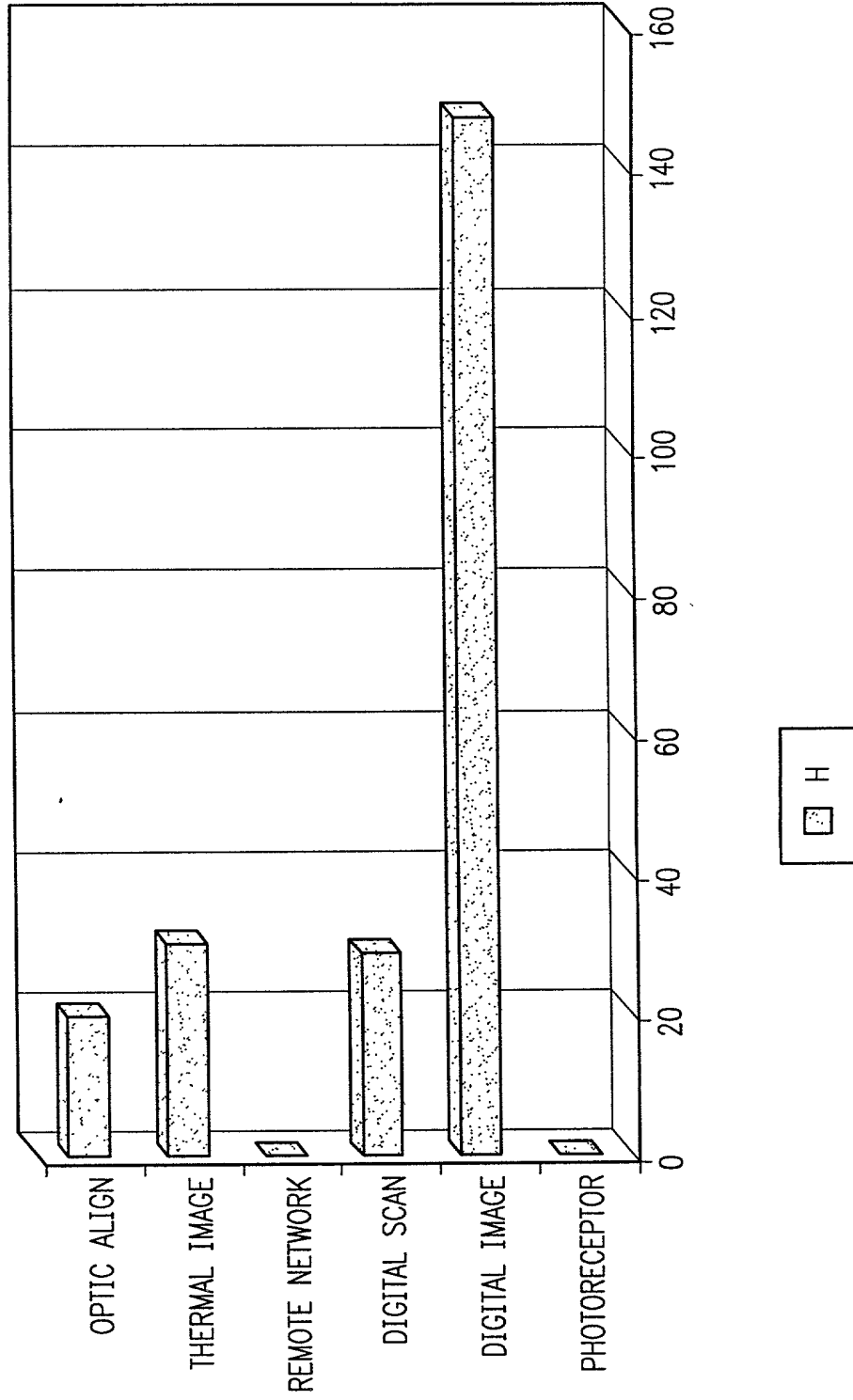
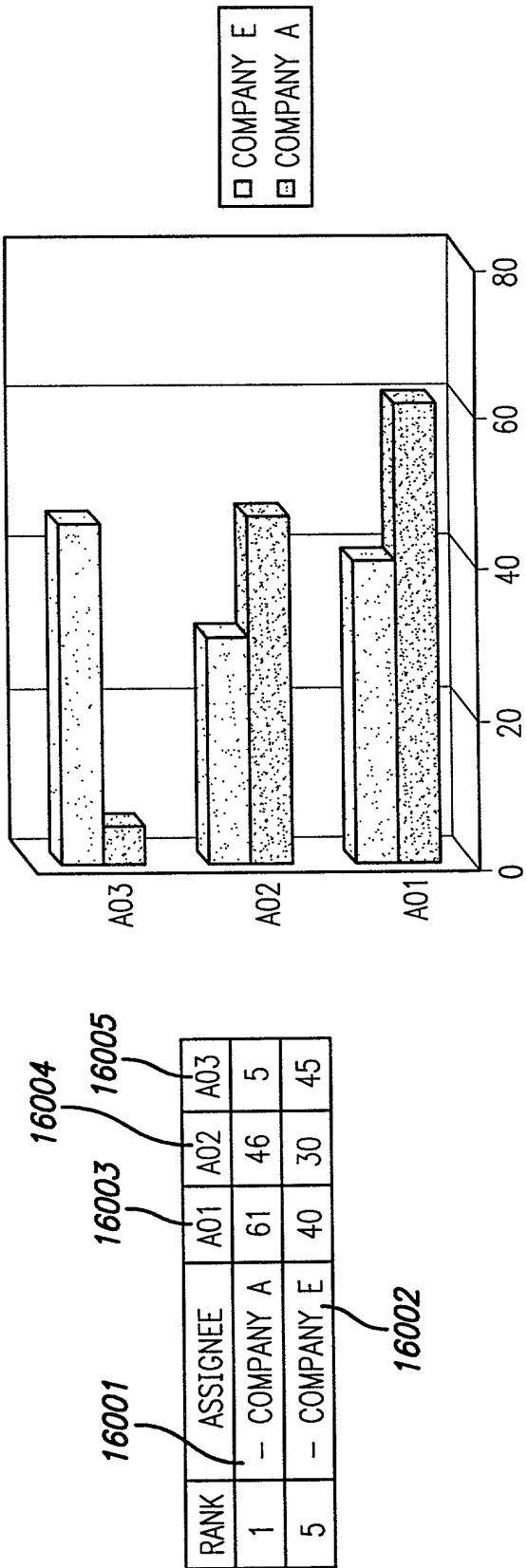


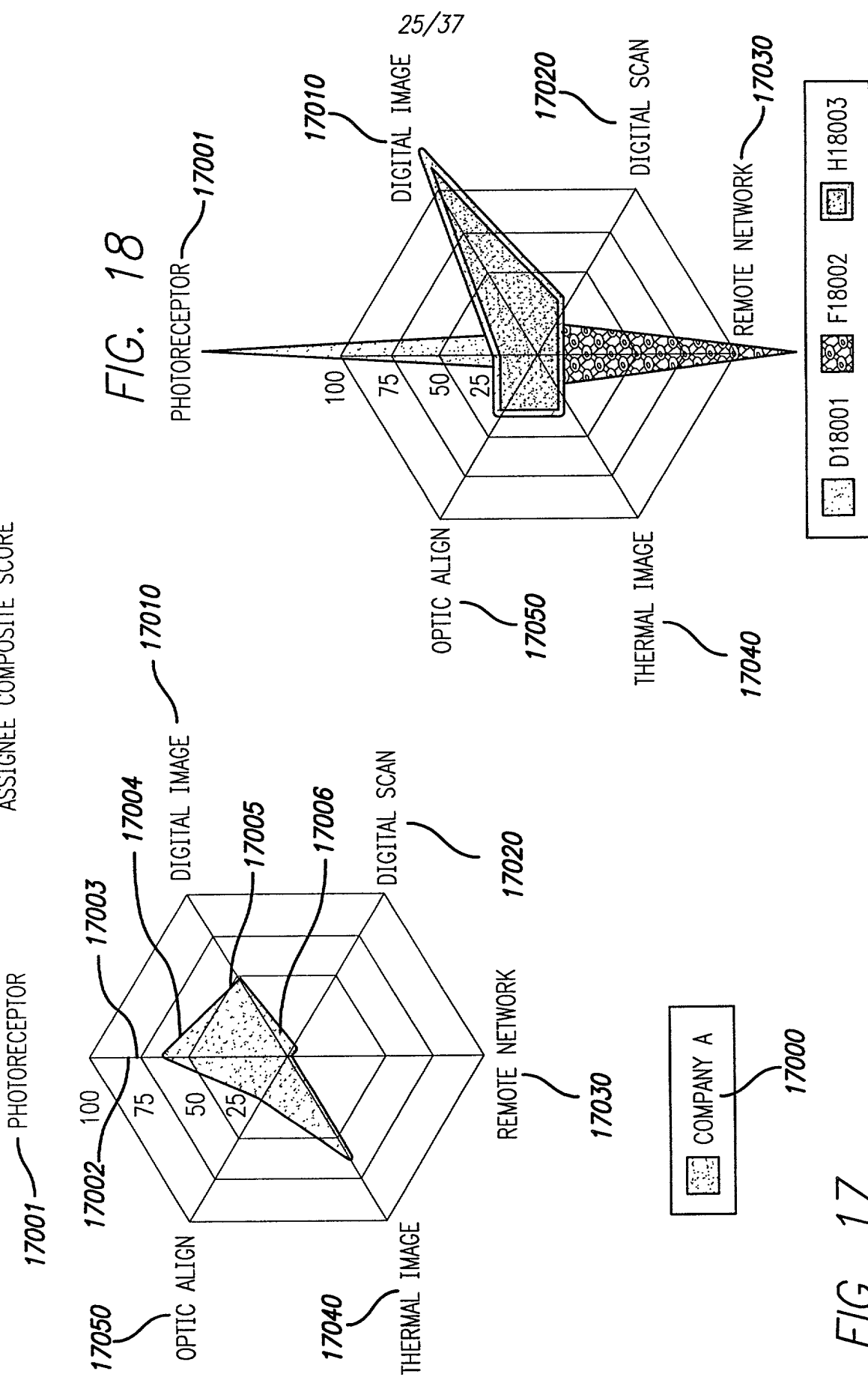
FIG. 16

GRAPHICAL REPRESENTATION OF ASSIGNEE COMPOSITE SCORE





ASSIGNEE COMPOSITE SCORE



ASSIGNEE COMPOSITE SCORE

FIG. 19

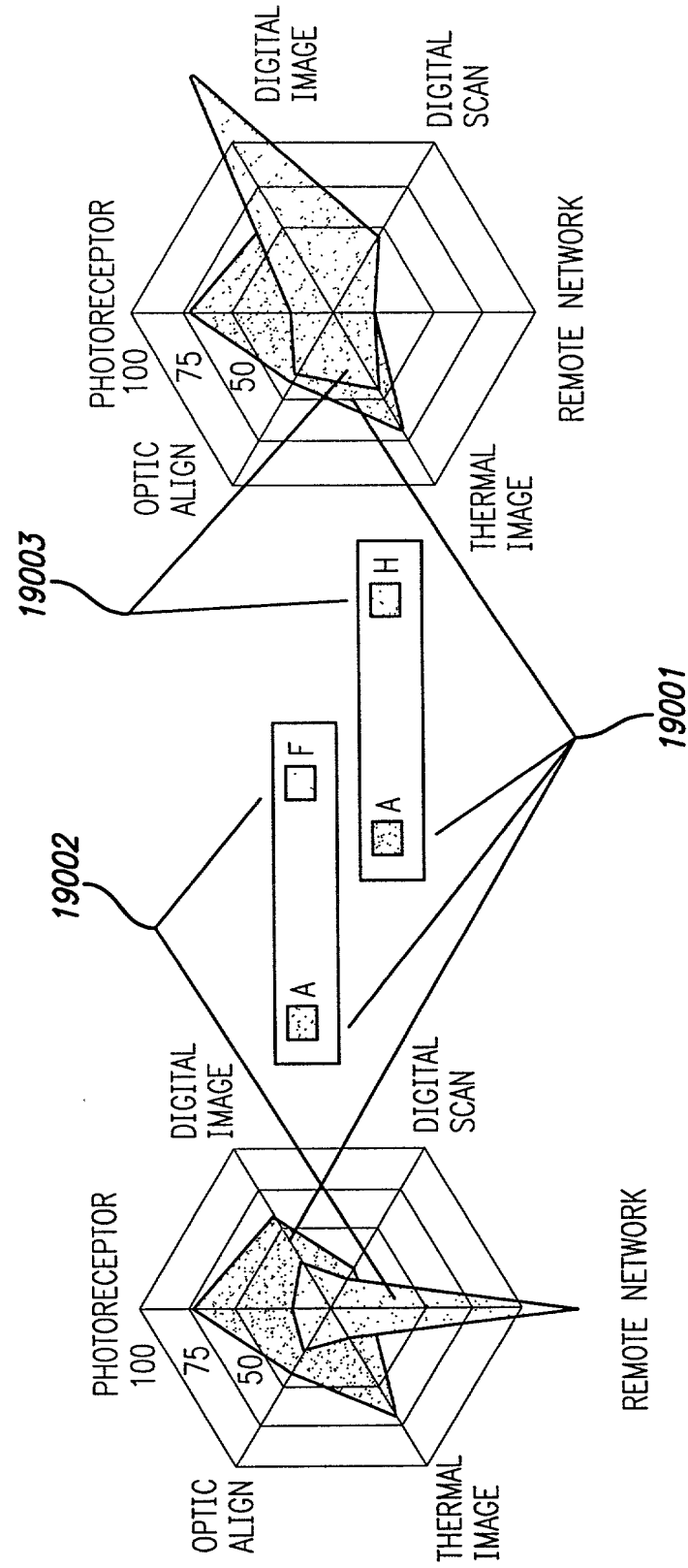


FIG. 20A

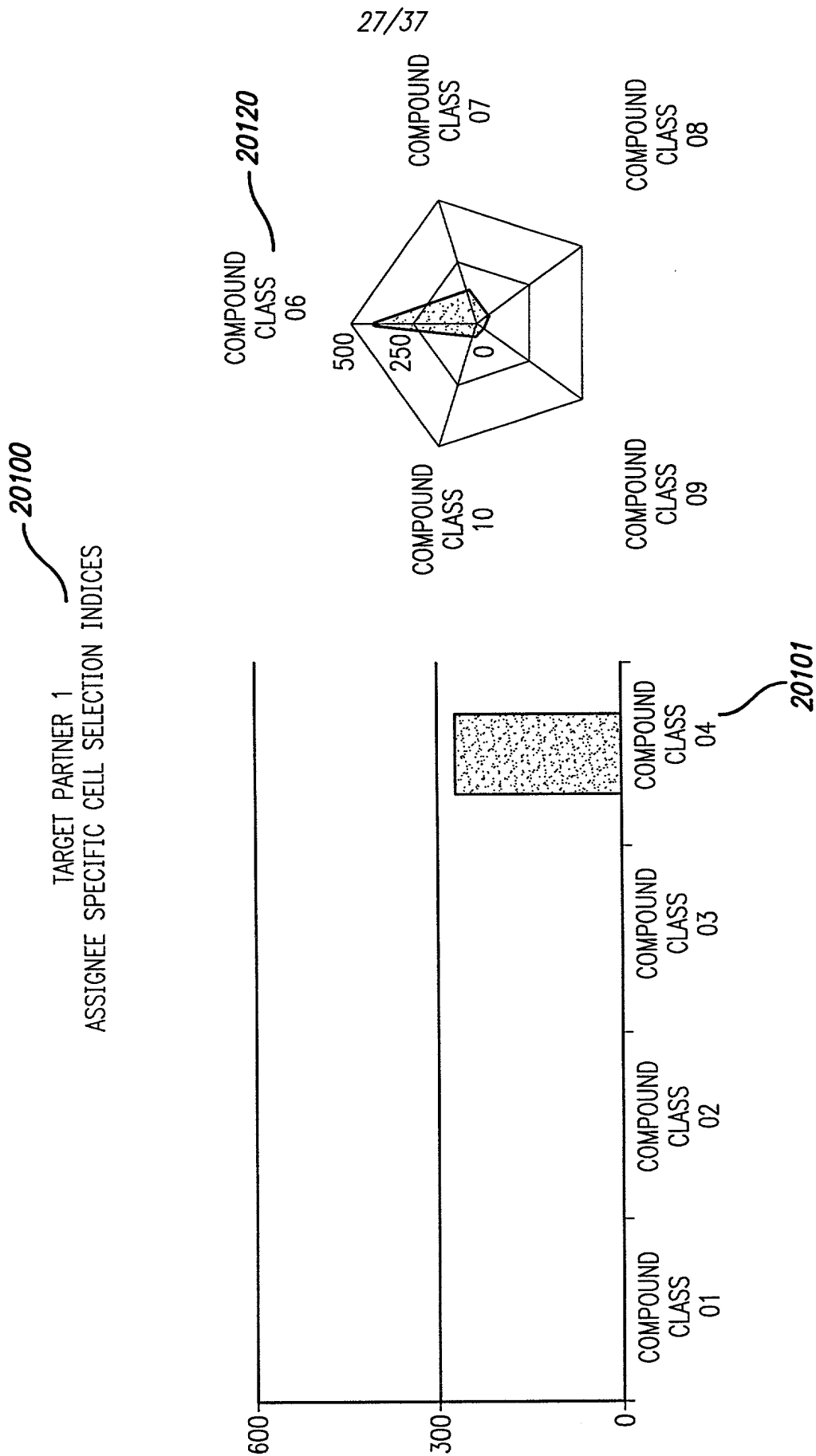


FIG. 20B

20200  
ALTERNATIVE PARTNER 2  
ASSIGNEE SPECIFIC CELL SELECTION INDICES

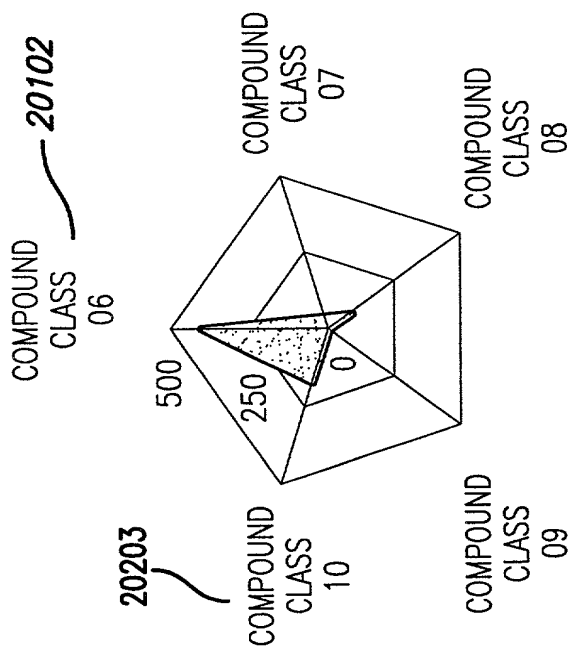
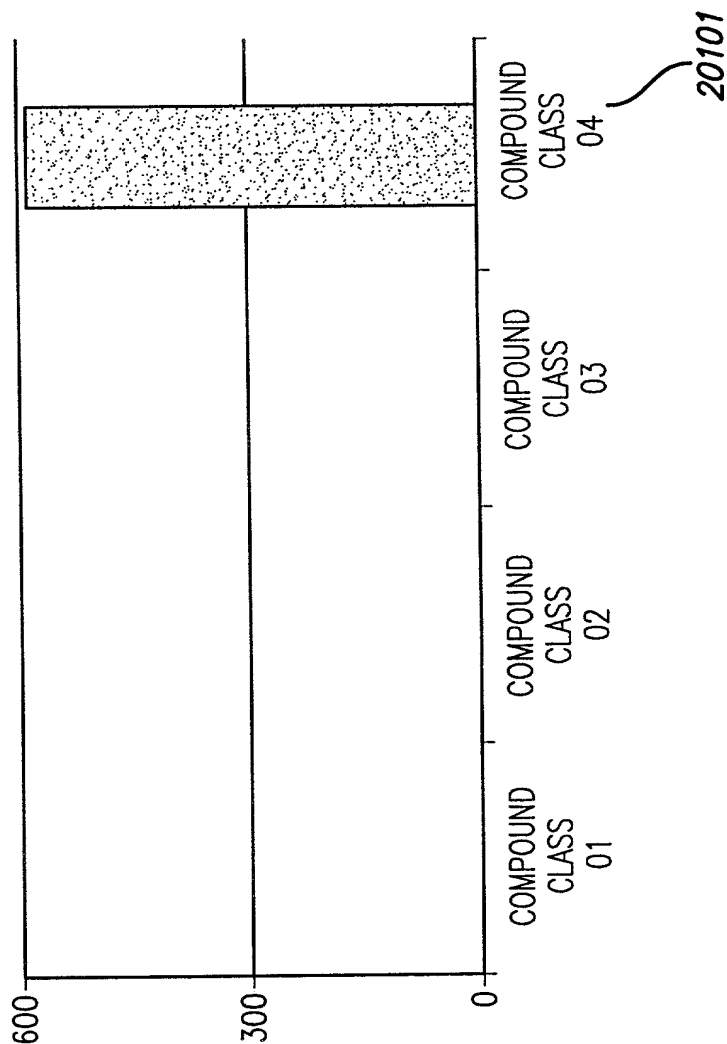


FIG. 20C

ALTERNATIVE PARTNER 2  
ASSIGNEE SPECIFIC CELL SELECTION INDICES

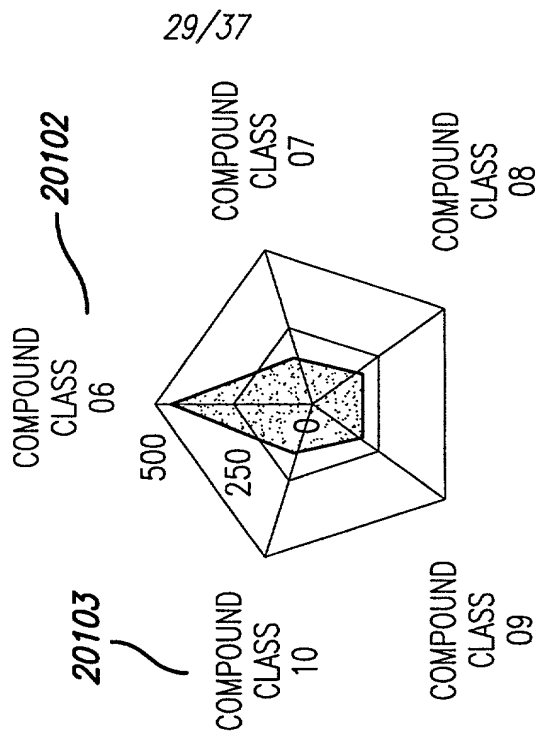
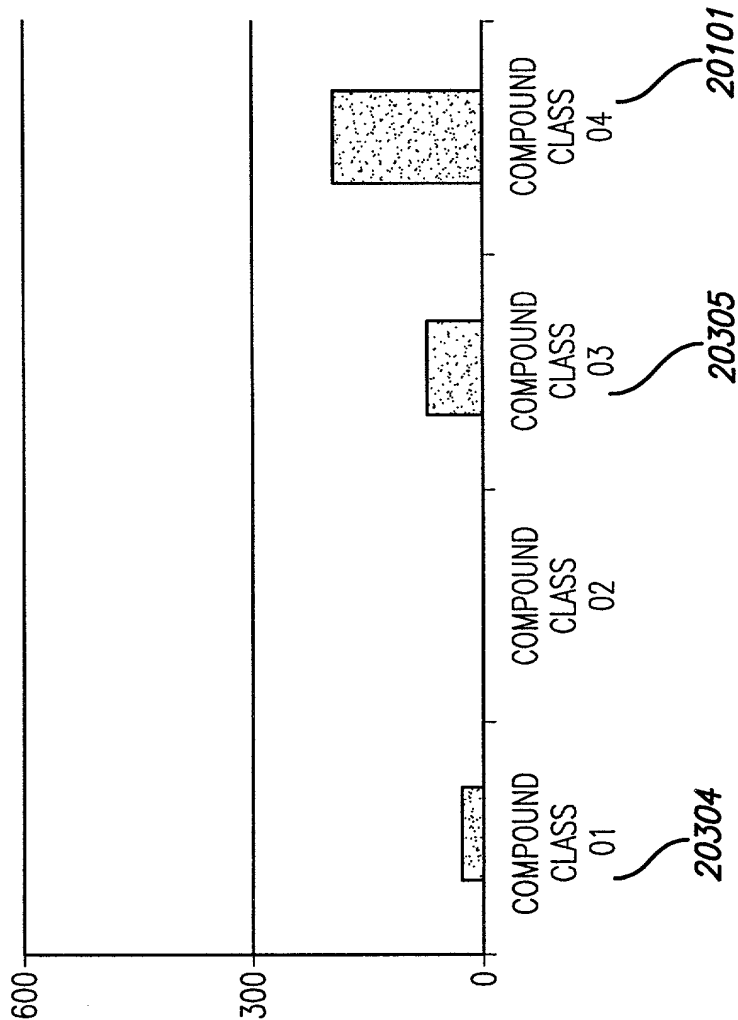


FIG. 21

ASSIGNEE FIELD INDEX VS. PATENT COUNT

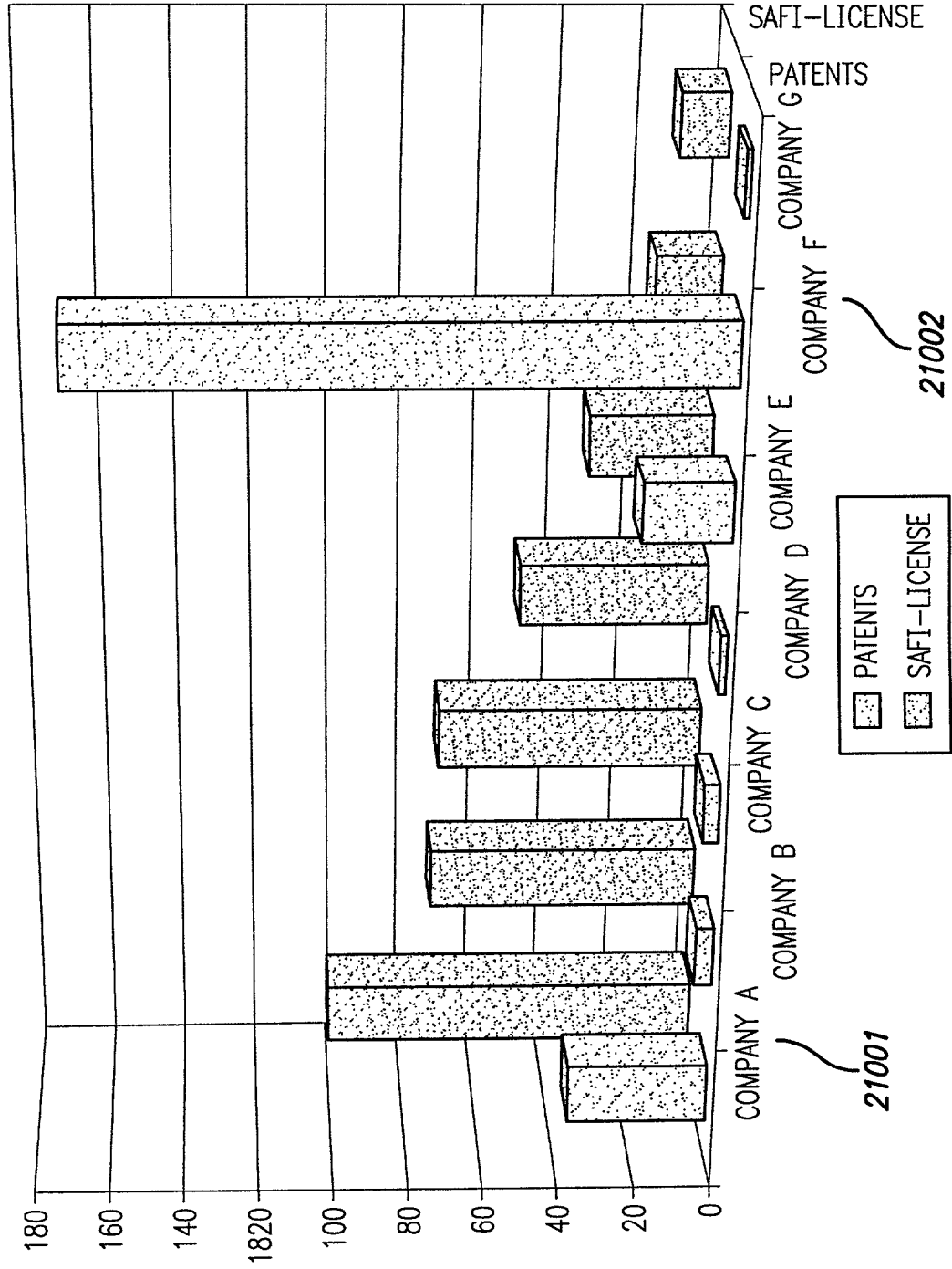


FIG. 22

STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION B

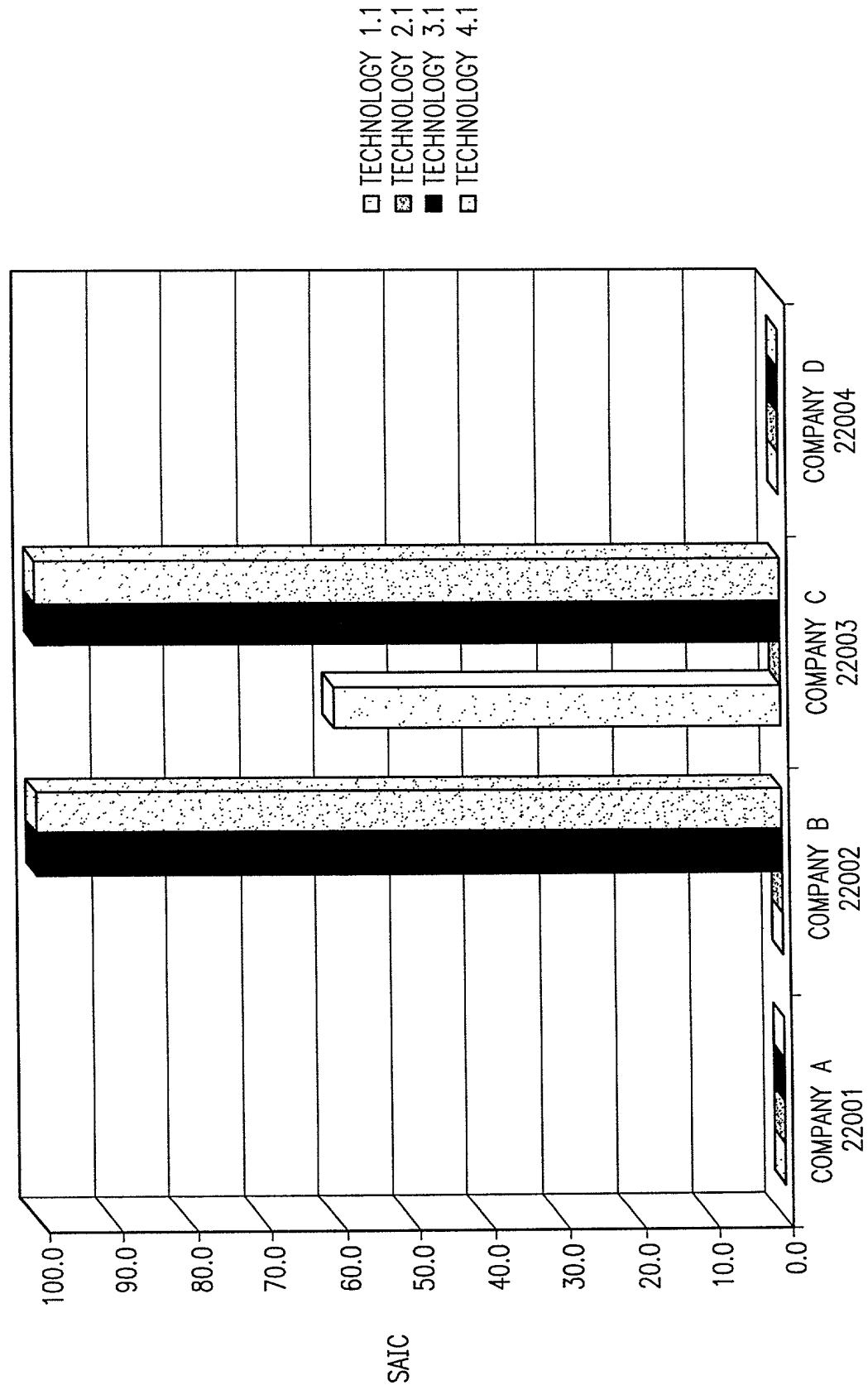
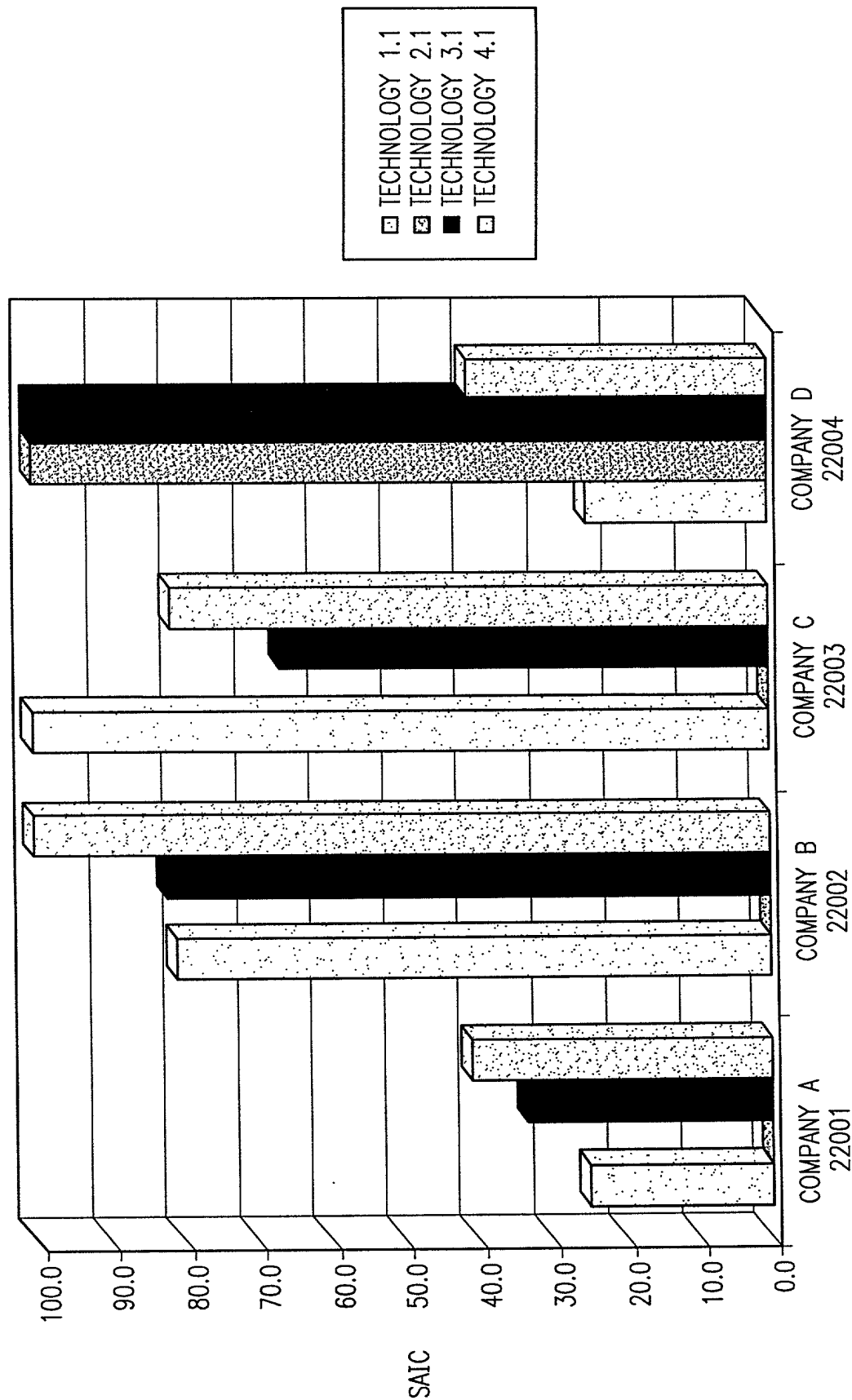
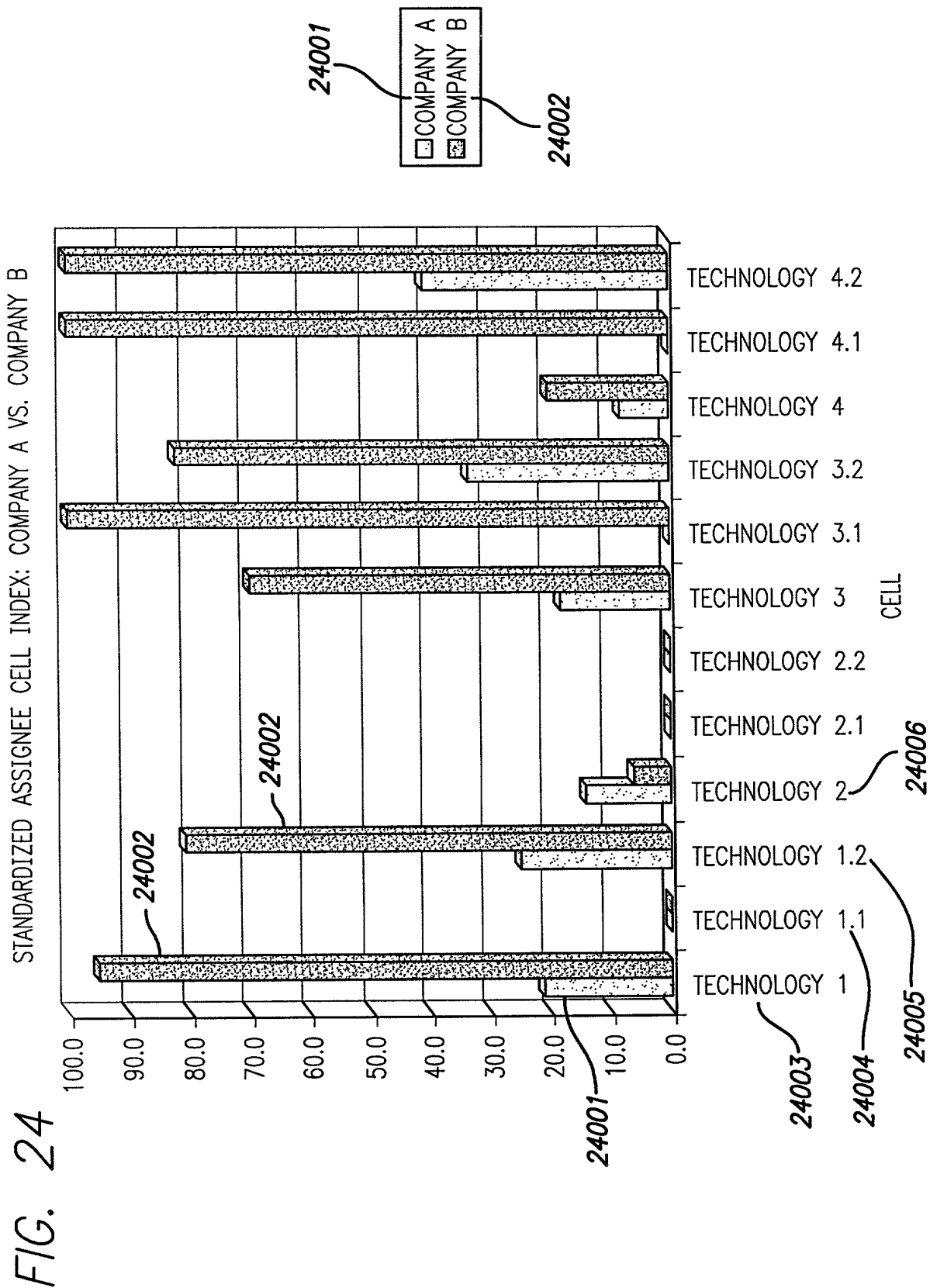


FIG. 23

STANDARDIZED ASSIGNEE CELL INDEX-APPLICATION C







NATURALLY DEFINED CLUSTERS

CLUSTERS	COUNT OF CELLS	OCCURRENCES
C05,A05	2	18
C06,A06	2	18
A01,C01	2	16
A02,C02	2	14
A05,C05	2	14
A06,C06	2	14
B06,C06	2	10
C02,C05	2	10
C01,A01	2	8
C03,C05,C02	2	6
C02,C03	2	6
C05,C02	2	6
C06,B06	2	6
C04,A04,A06,C06	4	4
C06,A06,C05,A05	4	4

A NEAR INFRARED	01	02	03	04	05	06
B FAR INFRARED						
C INFRARED						

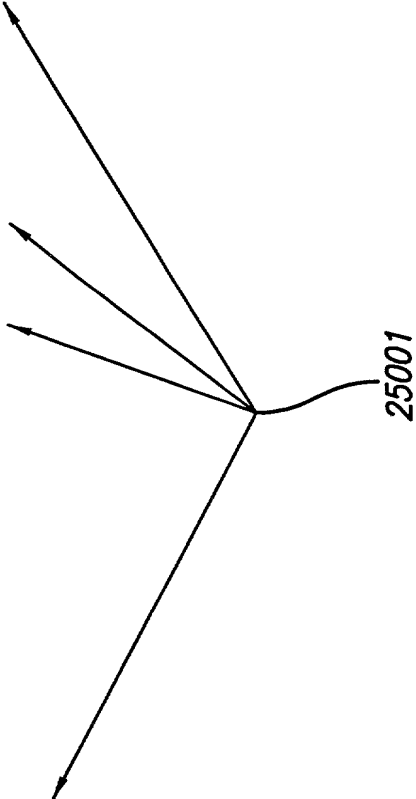


FIG. 25A

FIG. 25B

C02,C03,C05
EASTMAN KODAK MINNESOTA MINING & MANUFACTURING TEXAS INSTRUMENTS UNITED STATES OF AMERICA HUGHES ELECTRONICS POLAROID RAYTHEON MATSUSHITA INDUSTRIAL ELECTRIC US PHILIPS HE HOLDINGS DBA HUGHES ELECTRONICS HONEYWELL AGFA-GEVAERT MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAIRNS & BROTHER NEC RAYTHEON TI SYSTEMS

FIG. 26

TOP INVENTORS  
EASTMAN KODAK

CLUSTERS	HITS	PATENTS	WEIGHTED HITS	WEIGHTED ACTIONS
CHAPMAN, DEREK D.	10	10	11	4
DEBOER, CHARLES D.	8	8	9	5
EVANS, STEVEN	6	6	6	3
BURBERRY, MITCHELL S.	3	3	4	3
SCHILDKRAUT, JAY S.	2	2	3	4
TUTT, LEE W.	2	2	3	3
MOMOT, DAVID	2	2	2	3
BUGNER, DOUGLAS E.	2	1	2	4
BYER, GARY W.	2	1	2	6
KOLB, JR., FREDERICK J.	2	1	2	2
VOGEL, RICHARD M.	2	1	2	1
HARVEY, DONALD M.	1	1	3	4
DE GROOT, GERALD H.	1	1	2	5
MCLINTYRE, DALE F.	1	1	2	1
SIMPSON, WILLIAM H.	1	1	2	3
BLOOM, RICHARD M.	1	1	1	2



